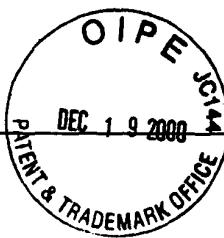
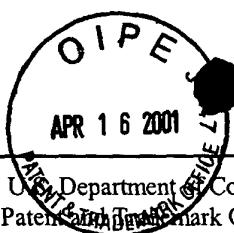


Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office							Attorney Docket No. 2803.64682	Div. of Serial No. 09/097,027					
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)									Applicant: Takeda et al.						
									Filing Date: 6-12-98	Group No. 2871					
U.S. PATENT DOCUMENTS															
Examiner initial*		Document No.		Date	Name			Class	Subclass	Filing Date					
		1	2	3	4	5	6	7	8	9					
		1	2	3	4	5	6	7	8	9					
		1	2	3	4	5	6	7	8	9					
FOREIGN PATENT DOCUMENTS															
		Document No.		Date	Country	Class	Subclass	Translation							
		1	2	3	4	5	6	7	8	9	Yes	No			
DN		1	1	8	9	6	2	9	Jul. 28, 1989		Japan			Desc. Only	
DN		1	1	9	6	0	2	0	Aug. 7, 1989		Japan			Desc. Only	
DN		2	1	5	1	8	3	0	Jun. 11, 1990		Japan			Abs.	
DN		2	1	9	0	8	2	5	Jul. 26, 1990		Japan			Abs.	
DN		3	4	3	7	0	1		Feb. 25, 1991		Japan			Desc. Only	
DN		3	2	0	9	2	2	0	Sep. 12, 1991		Japan			Abs.	
DN		3	2	6	1	9	1	4	Nov. 21, 1991		Japan			Partial	
DN		6	3	0	1	0	3	6	Oct. 28, 1994		Japan			Abs.	
DN		0	7	0	1	3	1	6	Jan. 17, 1995		Japan			Abs.	
DN		0	7	0	2	8	0	6	Jan. 31, 1995		Japan			Abs.	
		7	4	3	7	1	—	—	Feb. 14, 1995		Japan				X
DN		7	1	9	9	1	9	3	Aug. 4, 1995		Japan			Abs.	
DN		0	7	3	1	1	3	8	Nov. 28, 1995		Japan			Full	
DN		1	0	0	4	8	6	3	Feb. 20, 1998		Japan			Abs.	
DN		6	3	6	9	1	7		Feb. 1, 1995		Europe			Full	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
Examiner	DN/AN/EN				Date Considered			6/18/2001							
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.															



Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office				Attorney Docket No. 2803.64682	Serial No. 09/679,455
						Applicant: Takeda et al.	
						Filing Date: 10-4-00	Group No.
U.S. PATENT DOCUMENTS							
Examiner initial*		Document No.	Date	Name	Class	Subclass	Filing Date
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
DN	0	7 1 9 9 1 9 3	August 4, 1995	Japan	—	—	Abs.
DN		7 2 3 0 0 9 7	August 29, 1995	Japan	—	—	Abs.
DN	WO	9 8 5 7 2 2 2	December 17, 1998	WIPO	—	—	Yes
DN	0	6 3 6 9 1 7 A1	February 1, 1995	Europe	—	—	Yes
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
DN	Ong, H.L., "Multi-Domain Homeotropic LCDs with Symmetrical Angular Optical Performance," <i>SID International Symposium Digest of Papers</i> , vol. 23, May 17, 1992, pp. 405-408.						
Examiner		DN WYEN		Date Considered		6/18/2001	

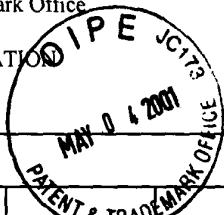
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		RECEIVED APR 19 2001 Technology Center 2600	Attorney Docket No. 2803.64682	Serial No. 09/679,455	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)					Applicant: Takeda et al.		
					Filing Date: 10-04-00	Group No. 2633	
U.S. PATENT DOCUMENTS							
Examiner initial*		Document No.	Date	Name	Class	Subclass	Filing Date
DR		5 4 7 3 4 5 5	Dec. 5, 1995	Koike et al.	359	76	Dec. 18, 1992
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation
		5 1 7 3 1 4 2	Jul. 13, 1993	Japan	—	—	Yes No
							X
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner		D NGUYEN		Date Considered		6/18/2001	

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449 U.S. Department of Commerce (Rev. 8-88) Patent and Trademark Office		Attorney Docket No.: 2803.64682	Serial No.: 09/679,455
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Takeda et al.	
		Filing Date: 10/04/00	Group: 2871



U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
BN	5,136,407	Aug. 4, 1992	Clerc			Mar. 4, 1991
	5,298,199	Mar. 29, 1994	Hirose et al.			Oct. 11, 1991
	5,434,690	Jul. 18, 1995	Hisatake et al.			Jul. 26, 1994
	5,583,679	Dec. 10, 1996	Ito et al.			May 31, 1995
	5,608,556	Mar. 4, 1997	Koma			Jun. 21, 1994
	5,953,093	Sep. 14, 1999	Hirata et al.			Nov. 10, 1998
	5,986,732	Nov. 16, 1999	Ozeki et al.			Sep. 23, 1996
	5,995,190	Nov. 30, 1999	Nagae et al.			Mar. 6, 1997
BN	6,191,836	Feb. 20, 2001	Woo et al.			Jun. 5, 1997

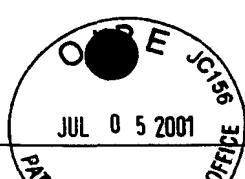
FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation	
					Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner	BN/UNYON	Date Considered	6/18/2001
----------	----------	-----------------	-----------

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



PATENT APPLICATION

Sheet 1/3

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.	APPLICATION NO.	CONFIRMATION NO.
2803.64682	09/679,455	
APPLICANT		
Takeda et al.		
FILING DATE	GROUP	
Oct. 4, 2000	2871	

RECEIVED
U.S. PATENT AND TRADEMARK OFFICE
JUL 10 2001
MAIL ROOM

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
DN	1A	5,673,092	Sep. 30, 1997	Horie et al.	349	86
DN	1B	5,917,572	Jun. 29, 1999	Karauchi et al.	349	156
DN	1C	6,061,117	May 9, 2000	Horie et al.	349	156
	1D					
	1E					
	1F					
	1G					
	1H					
	1I					
	1J					
	1K					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION
							YES
DN	1L	7-199205	Aug. 4, 1995	Japan	—	—	X
DN	1M	6-258649	Sep. 16, 1994	Japan	—	—	X
DN	1N	7-234414	Sep. 5, 1995	Japan	—	—	X
DN	1O	8-292423	Nov. 5, 1996	Japan	—	—	X
DN	1P	7-281195	Oct. 27, 1995	Japan	—	—	X

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

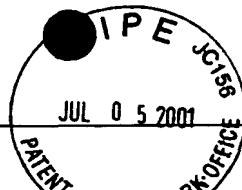
	1Q	
	1R	
	1S	

EXAMINER

DN WUEN

DATE CONSIDERED

10/18/2001



PATENT APPLICATION

Sheet 2/3

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO. 2803.64682	APPLICATION NO. 09/679,455	CONFIRMATION NO.
APPLICANT Takeda et al.		
FILING DATE Oct. 4, 2000	GROUP 2871	

RECEIVED
U.S. PATENT AND TRADEMARK OFFICE
MAIL ROOM
1025 MAIL ROOM
JUL 15 2001

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	2A				
	2B				
	2C				
	2D				
	2E				
	2F				
	2G				
	2H				
	2I				
	2J				
	2K				

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
DN	2L	7-318950	Dec.8,1995	Japan	—	—	X	
DN	2M	9-43592	Feb.14, 1997	Japan	—	—	X	
DN	2N	9-120075	May.6,1997	Japan	—	—		X
DN	2O	7-104450	Nov. 3, 1995	Japan	—	—		X
DN	2P	2507122	Apr.2,1996	Japan	—	—		X

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	
	2R	
	2S	

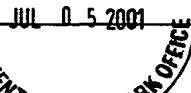
EXAMINER

DANGUYEN

DATE CONSIDERED

00/18/2001

JUL 05 2001



FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT'S INFORMATION DISCLOSURE
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

2803.64682

APPLICATION NO.

09/679,027

CONFIRMATION NO.

APPLICANT

Takeda et al.

FILING DATE

Oct. 4, 2000

GROUP

2871

RECEIVED
JUL 10 2001
TO 2000 MAIL ROOM

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
3A					
3B					
3C					
3D					
3E					
3F					
3G					
3H					
3I					
3J					
3K					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
DN	3L	445 777	Sep.11, 1991	Europe	—	—	X	
DN	3M	676 661	Oct.11,1995	Europe	—	—	X	
	3N							
	3O							
	3P							

OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	3Q	
	3R	
	3S	

EXAMINER

DNGUYEN

DATE CONSIDERED

10/18/2001

Form PTO-1449 (Rev. 8-88)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No.: 2803.64682	Serial No.: 09/679,455
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Applicant: Takeda et al.	
		Filing Date: 10/04/00	Group: 2871



U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
DN	5,136,407	Aug. 4, 1992	Clerc			Mar. 4, 1991
	5,298,199	Mar. 29, 1994	Hirose et al.			Oct. 11, 1991
	5,434,690	Jul. 18, 1995	Hisatake et al.			Jul. 26, 1994
	5,583,679	Dec. 10, 1996	Ito et al.			May 31, 1995
	5,608,556	Mar. 4, 1997	Koma			Jun. 21, 1994
	5,953,093	Sep. 14, 1999	Hirata et al.			Nov. 10, 1998
	5,986,732	Nov. 16, 1999	Ozeki et al.			Sep. 23, 1996
	5,995,190	Nov. 30, 1999	Nagae et al.			Mar. 6, 1997
DN	6,191,836	Feb. 20, 2001	Woo et al.			Jun. 5, 1997

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

DN	Okamoto; MVA Liquid Crystal Technology - Latest Version of VA Liquid Crystals; <i>Nikkei Flat Panel Display</i> ; Part 3-6; Pages 104-107.

Examiner DN NGUYEN Date Considered 10/18/2001

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.